

Abstract of the Disclosure:

A measuring system for recording angular and linear absolute values has a scale with a measuring track to create the absolute value that is recorded by a sensor configuration.

- 5 The scale is composed of at least two segments configured in the same way to record absolute values. The scale has at least one track suitable for determining the absolute value of each segment reached using the sensor configuration. The measuring system contains switches that provide the total
- 10 absolute value for further processing made up of the absolute value of the segment and the calculated absolute value within the segment. The system is supplied by a main power supply. There is also a switch configuration that switches to auxiliary power when the main power fails and the sensor
- 15 configuration is only used in this operating mode to determine the absolute value of the particular segment reached.

REL/kf